CITY OF ALBUQUERQUE RFB2006-164-SB
35,000 LB GVWR CAB/CHASSIS WITH LUBRICATION UNIT
ROBERTS TRUCK CENTER

AGENCY: _____

DEPARTMENT: _____

DIVISION: _____

REQUISITION #: _____ PO #: _____

DESCRIPTION: 35,000 LB GVWR Cab/Chassis with Lubrication Unit MAKE/MODEL: International 4400

VENDOR: Robert's Truck Center ENGINE: DT466

BASE COST PER UNIT: $ 124,500.02

STANDARD SPECIFICATIONS

1. GVWR:	35,000 pounds GVWR
2. Transmission:	Allison transmission 3500 RDS 6 speed with PTO provisions, or equal
3. Cab to Axle:	120 inches (nominal)
4. Hydraulic System	
4.1. PTO:	Air control hot shift PTO for Allison (MD 3560P) world transmission
4.2. Hydraulic Pump:	
4.2.1. Direct mount to PTO 2.77 cubic inch variable displacement pressure/flow compensated axial piston pump "Cessna" (70423) or equal.	
4.2.2. 3,500 PSI maximum pressure	
4.3. Valves:	
4.3.1. Machined aluminum manifold block containing 12 volt solenoid control valves and adjustable flow valves.	
4.3.2. Hydraulic valves and switches shall be mounted in a weather tight box with all wiring in looms.	
4.4. Hydraulic reservoir	
4.4.1. 50 gallon capacity hydraulic reservoir with a 1-½-inch suction.	
4.4.2. Sight/temperature gauge.	
4.4.3. Vented filler cap.	
4.5. Ball Valve:	1-½-inch ball valve on suction side at reservoir.
4.6. Bulkhead Fittings:	Shall be used on plumbing going through deck bed and boxes.
4.7. Hose Pressure Rating:	All high pressure hoses shall be rated to 3,000 PSI working pressure and 12,000 PSI burst pressure with swivel fittings on both ends.
4.8. Fittings:	All fittings, elbows and T-type clamps shall be high pressure hydraulic-type.
4.9. Filtration	
4.9.1. Two (2) one-inch (1") return line spin-on filters mounted in series.	
4.9.2. First filter shall be ten (10) micron and second filter shall be three (3) micron	
5. Oil Systems	
5.1. Performance:	Shall include six (6) complete, individual oil delivery systems that are adjustable from 0 – 10 GPM at 50 degrees Fahrenheit
5.2. Tanks	
5.2.1. Five (5) 120 gallons capacity oil storage tanks.	
5.2.2. One (1) 60-gallon capacity oil storage tank constructed from A-36 10-gauge sides and A-36 3/16-inch thick top/bottom with A-36 10-gauge baffle.	
5.2.3. Product level indicators.	
5.2.4. Locking fill caps and tank vents.	
5.2.5. Mounted on vibration isolators to the platform.	
5.2.6. Labeled per City of Albuquerque requirements.	
5.3. Pumps	
5.3.1. Six (6) direct mount to tank, hydraulic positive displacement gear pumps producing 500 – 2,500 pounds discharged pressure at the reel control valves.	
5.3.2. Shall be cast iron construction with replaceable wear plates.	
5.3.3. Center housing shall produce operating pressures up to 2,500-PSI automatic demand delivery.	
5.3.4. Pumps shall completely shut-off after each delivery.	
5.4. Hose Reels:	Six (6) heavy-duty spring retractable hose reels capable of holding 50 feet of ½-inch inside diameter high-pressure hoses.

5.5. Oil Control Valves:	Four (4) heavy-duty non-drip nozzles with electronic meters and digital readouts.
5.6. Pump:	Hydraulic piston-type pump producing 2 GPM at 800 PSI pump by-pass between activation.
6. Air System	
6.1. 2-cylinder, two-state, 19 CFM, hydraulic air compressor with dry-type air filter element.	
6.2. Air Receiver	
6.2.1. 30 gallon capacity with air pressure relief valve certified construction.	
6.2.2. Pressure gauge	
6.2.3. Water separator, air lubricator and drain valve.	
6.3. Hose Reel	
6.4. Heavy-duty spring retractable hose reel capable of holding 50 feet of 3/8-inch air hose with quick coupler.	
6.4.1. Heavy-duty air chuck with built-in pressure gauge and quick coupler.	
7. Evacuation Waste System	
7.1. Tank	
7.1.1. 250 gallons capacity waste oil storage tank constructed from A-36 10 gauge steel sides and A-36 3/16-ich thick steel top/bottom with A-36 10 gauge steel baffle.	
7.1.2. Product level indicator.	
7.1.3. Locking fill cap and tank vent.	
7.1.4. Bottom drain.	
7.1.5. Filter.	
7.1.6. Mounted on vibration isolators to the platform	
7.2. Pump	
7.2.1. Air driven suction pump with a removal rate of 6 GPM at 70 degrees Fahrenheit.	
7.2.2. Manually controlled four (4) was valve system to pump waste oil from tank to outside source and outside source back into tank.	
7.3. Hose Reel	Heavy-duty spring retractable hose reel capable of 50 feet of 1-inch inside diameter hose with control valve.
8. Electrical	
8.1. Jumper Cable Jack	Install at battery box a quick connect/disconnect jumper cable jack system and 20 feet heavy-duty jumper cables with heavy-duty, color coded terminal clamp ends.
8.2. Control Panel	
8.2.1. Platform mounted control panel installed to control and override all oil pump, air compressor, and any electrical functions.	
8.2.2. Panel shall be water proof and have hinged door with seal isolating all electrical connection from weather.	
9. Platform	
9.1. Dimensions	168 inches x 96 inches
9.2. Rub Rails	Shall be construction from 6-inch standard structural channel x 8.2 pounds per foot.
9.3. Main Frame:	Shall be constructed from 8-inch x 3-inch x ¼-inch thick wall structural rectangular tubing x 18.02 pounds per foot.
9.4. Cross Members	Shall be constructed from 6-inch JR “I” beam x 4.4 pounds per foot.
9.5. Deck	Shall be constructed from one single piece of A-36 3/16-inch thick smooth plate continuously welded around the outer edges and skip welded on to the cross members.
9.6. Deck Access Ladders	Rear access ladders with non-skid ladder rungs and smooth grab handles.
9.7. Mounting	
9.7.1. Shall be mounted at the rear with 1-inch floating hinge pins.	
9.7.2. Spring mounted “U” bolts at the front.	
9.7.3. Guide plates on sides.	
9.7.4. All components comprising the total lubrication service bed shall be attached to or made part of the bed in such manner as to be easily removed (i.e. bolted in place).	
9.7.5. Lubrication service bed and components shall be designed and mounted as to obtain the proper load distribution based upon the GVWR capacity of the chassis and not exceed the front and rear axle capacities.	
9.8. Drip Tubes	Environmentally friendly drip oil collection system and holders for all dispenser nozzles designed to collect and store drip oil from nozzles and designed to allow evacuation and drainage into a container.
9.9. Lighting	Recessed run-turn-stop-warning lights to meet federal motor vehicle safety standards (FMVSS) and DOT requirements.
9.10. Mud Flaps	Manufacturer’s standard (no advertisements).
10. Storage	
10.1. Storage Boxes	

10.1.1. Two storage boxes constructed from 10 gauge HR steel.	
10.1.2. 24 inches x 20 inches x 24 inches.	
10.1.3. Keyed alike locking.	
10.1.4. "T" handle type latches.	
10.1.5. Mounted underbody behind rear tire as space allows.	
10.1.6. Bolted to the platform for easy removal in case of damage.	
10.2. Large Storage Boxes (Qty 2)	
10.2.1. Constructed from 10 gauge HR steel.	
10.2.2. 36 inches x 20 inches x 24 inches.	
10.2.3. Keyed alike locking "T" handle type latches.	
10.2.4. Mounted underbody/driver's side as space allows.	
10.2.5. Bolted to the platform for easy removal in case of damage.	
10.3. Air Compressor / Storage Boxes (Qty 2)	
10.3.1. Constructed from 10 gauge HR steel.	
10.3.2. 36 inches x 20 inches x 24 inches	
10.3.3. Keyed alike locking "T" handle type latches.	
10.3.4. Mounted underbody/curb-side as space allows	
10.3.5. Bolted to the platform for easy removal in case of damage.	
10.4. Paint	Prime and paint with "Dupont" (Imron) to match truck cab.
11. Safety	
11.1. Tank Lettering	All product tanks shall be labeled as to the product in each tank and capacity of each tank with vinyl lettering
11.2. Backup Alarm	Install a 107 decibels minimum single sound level backup alarm "Preco" (36) or approved equal.
11.3. Placards / Warning Labels	As required by DOT and OSHA
11.4. Fire Extinguishers:	Two each, 18 pound "ABC" fire extinguishers installed with heavy-duty, metal brackets, one on each side (easy access).
11.5. Walkways	Non-skid surface walkways.
12. Training	
12.1. Four hours training on the safety, technical, maintenance, service, trouble shooting and proper operational procedures on the hydraulics system by factory or factory trained personnel. Place and time shall be mutually agreed on by vendor and the City.	
12.2. Training shall be completed within 30 days from date of delivery.	
13. Manuals:	Provide 1 Master Manual to include 1 Parts Manuals and 1 Service Manual and 1 Trouble Shooting Manual with each unit delivered.
14. Dealer preparation, conditioning, and full service is required prior to delivery.	
15. Warranties	Minimum warranty of 24-month bumper-to-bumper is required on all parts, components and labor. No deductible.
16. Engine Horsepower:	Minimum engine horsepower required is Cummins ISC 285HP at 2,000 800 ft. lbs. Torque at 1,300 or equal
17. Front Axle:	12,000-pound front axle
18. Rear Axle:	23,000-pound rear axle
19. Rear Axle Ratio:	5.29 with speed electronically set (governed) at 65 MPH top speed
20. Tires	11R22.5 radial tires, or equal
21. Ventilation:	Factory standard air conditioning and heat
22. Radio:	AM/FM radio with weatherband
23. Exhaust:	Horizontal exhaust
24. Brakes:	Clear Drain brakes
25. Fuel Tank Capacity:	Minimum dual 50-gallon fuel tanks, required.

BASE PRICE $ 124.500.02

QUANTITY _____

TOTAL COST $ _____